

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Agrawal et al.

Serial No.: Not Yet Assigned

Group Art Unit: Unknown

Filing Date: Concurrently Herewith

Examiner: Unknown

For: Mining Association Rules Over Privacy Preserving Data

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

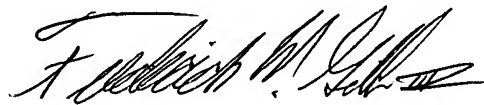
Sir:

Under the provisions of 37 CFR §1.97 through §1.99 and pursuant to applicants' duty of disclosure under 37 CFR §1.56, applicants respectfully bring the following documents, listed on the attached form PTO-1449, to the attention of the Examiner in charge of the above-identified application. Copies of the listed documents are provided herewith for the convenience of the Examiner. This citation does not constitute an admission that the references are relevant or material to the claims. They are only cited as constituting related art of which the applicants are aware.

It is respectfully requested that the listed references be considered by the Examiner and formally made of record in this application.

Please charge any deficiencies in fees and credit any overpayment of fees to Attorney's Deposit Account No. 09-0441.

Respectfully submitted,



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Registration No. 37,629

Date: 07/21/03
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| INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i> | Docket Number (Optional) ARC920030034US1 | Application Number Not Yet Assigned |
| | Applicant(s) Agrawal et al. | |
| | Filing Date Concurrently Herewith | Group Art Unit Unknown |

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----|-----------------|----------|----------------|-------|----------|-------------------------------|
| | | 6,546,389 | 04/08/03 | Agrawal et al. | | | |
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FOREIGN PATENT DOCUMENTS

| REF | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
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OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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| | | Rizvi et al., "Maintaining Data Privacy in Association Rule Mining", Proceedings of the 28th VLDB Conference, China, 2002. |
| | | Vaidya et al., "Privacy Preserving Association Rule Mining in Vertically Partioned Data", The Eighth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, July 2002. |

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|-----------------|------------------------|
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|-----------------|------------------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| *EXAMINER INITIAL | OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> |
|----------------------|--|
| | Agrawal et al. , "On the Design and Quantification of Privacy Preserving Data Mining Algorithms", In Proc. of the 20th ACM SIGMOD Conference , pp. 247-255, May 2001. |
| | Agrawal et al., "Mining Association Rules Between Sets of Items in Large Databases", Proc. of 1993 ACM SIGMOD Conference, pp. 1-10, May 1993. |
| | Agrawal et al., "Fast Algorithms for Mining Association Rules, " Research Report RJ 9839, pp. 1-32, June 1994. |
| | Agrawal et al., "Data Mining" Crossing the Chasm", 5th Int'l Conference on Knowledge Discovery in Databases and Data Mining, August 1999. |
| | Agrawal et al., "Privacy-Preserving Data Mining", In Proc. of the ACM SIGMOD Conference on Management of Data, pp. 439-450, May 2000. |
| | Clifton et al., "Security and Privacy Implications of Data Mining", In ACM SIGMOD Workshop on Research Issues on Data Mining and Knowledge Discovery, pp. 15-19, May 1996. |
| | Cranor et al., "Beyond Concern: Understanding Net User's Attitudes About Online Privacy", Technical Report, AT& T Labs Research, pp. 1-20, April 1999. |
| | Lindell et al., "Privacy Preserving Data Mining", in CRYPTO, pp. 36-54, 2000. |
| | Office of the Information and Privacy Commissioner, "Data Mining: Staking a Claim on Your Privacy", pp. 1-22, January 1998. |
| | Adam et al., "Security- Control Methods for Statistical Databases: A Comparative Study", ACM Computing Surveys, Vol. 21, No. 4, pp. 516-556, December 1989. |
| | Roberto Bayardo , "Efficiently Mining Long Patterns From Databases", In Proc. of the ACM SIGMOD Conference on Management of Data, pp. 85-93, 1998. |
| | Conway et al., "Selective Partial Access to a Database", In Proc. ACM Annual Conf., pp. 85-89, 1976. |
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|---|---|----------|-----------------|
| | Business Week, "Privacy on the Net", pp. 1-14, March 2000. | | |
| | Harris and Associates, "E-Commerce Privacy Survey Executive Summary", pp. 1-7, June 1998. | | |
| | Westin et al., "Privacy Concerns & Consumer Choice", Technical Report, 1998. | | |
| | Westin et al., "Freebies and Privacy: What Net Users Think", Technical Report, Opinion Research Corporation, July 1999. | | |
| | K. Thearling, "Data Mining and Privacy: A Conflict in the Making", pp. 1-3, 1998. | | |
| | Directive 97/66/EC of the European Parliament and of the Council, pp. 1-7, 1997. | | |
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